

### AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A network system that ~~seamlessly~~ integrates wireless communication systems, the network system ~~being characterized in that~~ including a common core network providing a common platform for a plurality of radio communication networks, said common core network comprising: comprises:

a mobility manager that ~~supports roaming mobile hosts~~ has a function of tracing a location of a mobile host to determine an access network effective at a position of the location and function of carrying out local handoffs within the common core network and handoffs for external networks based on mobile IP; and

a resource manager that coordinates traffic distribution and is responsible for resource allocation and admission control to support the traffic distribution in the common core network;

the common core network that ~~support~~ supporting mobile hosts roaming within a homogeneous radio communication network and between a plurality of heterogeneous radio communication networks based on a link layer or network layer of OSI model and enables Internet access via a gateway router and access to a plurality of base stations simultaneously by communicating with the resource manager residing in the common core network via a network selector of interfaces in the base states; and while ensuring service quality, said heterogeneous radio communication networks being simultaneously accessible;

~~in one area the common core network enabling Internet access via a gateway router and access to a based station via a base station interface; and~~

a plurality of common core networks ~~each of which is the same as that residing in said area, and that are each arranged in corresponding areas via the Internet.~~

2. (Currently Amended) A ~~seamless~~ The integrated network system for wireless communication systems according to claim 1, characterized by having in the common core network a micromobility management function supporting ~~supporting, in the common core network, prompt~~ handover for any mobile host roaming between base stations belonging to

homogeneous radio communication networks or between base stations belonging to heterogeneous radio communication networks or between routers; and

a macromobility management function supporting, between a plurality of common core networks, handover for any mobile host roaming between base stations belonging to homogeneous radio communication networks, or between base stations belonging to heterogeneous radio communication networks, or between routers.